

## PATENT ABSTRACTS OF JAPAN

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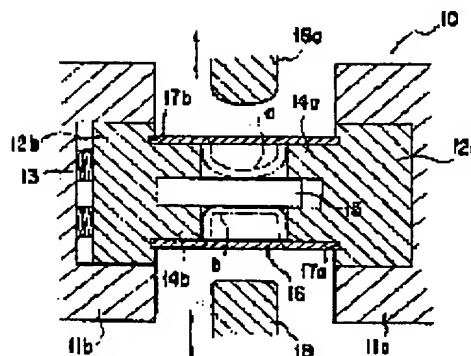
## (54) MANUFACTURE OF STEPPED ROTARY BODY

## (57)Abstract:

PROBLEM TO BE SOLVED: To manufacture a stepped rotary body having light wt., excellent concentricity without strain, uniform thickness and good rotating balance.

SOLUTION: In the manufacturing method of the stepped rotary body composed of a boss part and a cylindrical part integrating with the boss part and having larger diameter than the boss part, a thin tubular blank 16 is fitted into cylindrical dies 14a, 14b to both end parts and engaged with the diameter expanding direction and also, pressed in the axial direction and held. Then, the intermediate part in the axial direction of the tubular blank 16 is formed to the diameter-shrinkage with forming rolls so as to be along a boss part die 15 arranged in the faced interval between both cylindrical dies 14a, 14b.

Successively, this formed blank is cut off at the intermediate part of the shrunk diameter part, and a part fitted to the cylindrical die is made to a cylindrical part and a part fitting to the boss part die is made to a boss part.



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